Command Level

Availability Management Brief

Welcome to MU's Command Level Brief

- *This brief is divided into eight sections*
  - *Can be used as stand alone training topics*
- *The the eight topic area sections include:*
  - *Overview of Brief and Objectives*
  - *Navy Maintenance Policy*
  - *Integrated Fleet Maintenance Management (IFMM) Model and Process*
  - *3-M From A Management View*
  - *Navy Maintenance Organization*
  - *Shipboard Maintenance Organization*
  - *CNSL Outside Assessment Process*
  - *Backlog Maintenance Management Chart*

How Can You Reach MU?

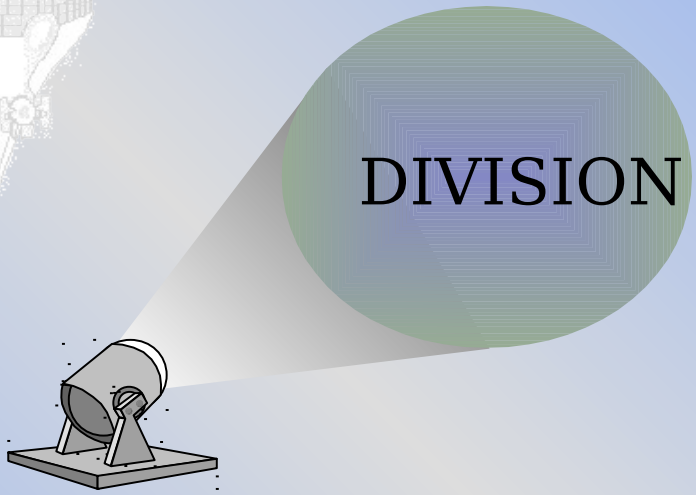
ALeBoeuf@cnsl.spear.navy.mil

Walter_Wardzinski@amsec.com

Dialog Desired

What MU Offers You

- *The tools to:*
  - *Carry out TYCOM Maintenance Policy*
  - *Better Assess Material Condition*
  - *Better Document Material Condition*
  - *Plan for Maintenance Availabilities*
  - *Train and Organize for Maintenance Availabilties*
  - *Execute the Availability*



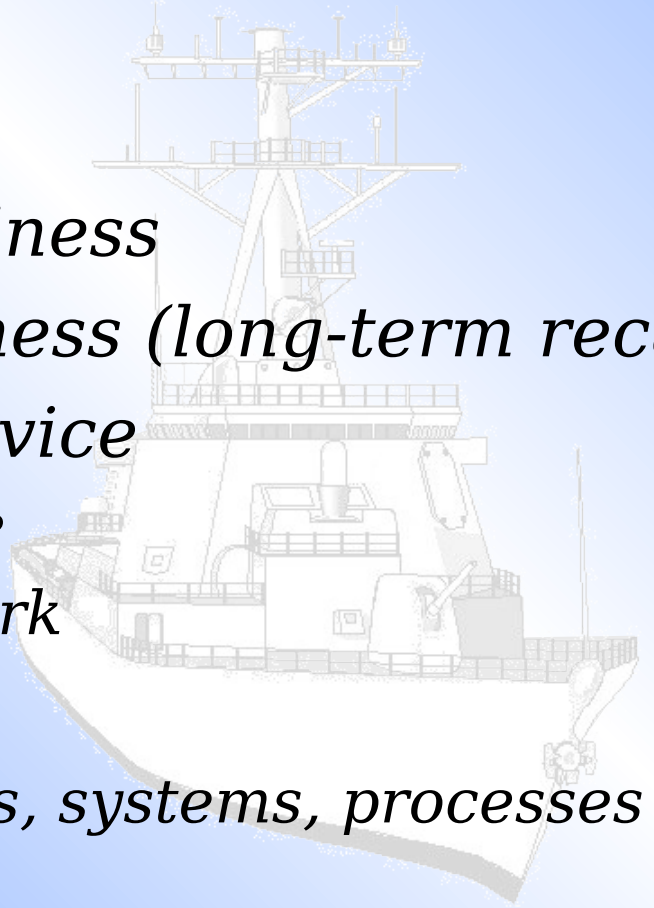
Command Level Availability Management Brief

Overview

"The Main Thing" …according to the CNO

- *The Fleet and*
- *The Fleet Accomplishing the Mission*

CNO's Top Five Priorities



- Manpower
- Current readiness
- Future readiness (long-term recapitalization)
- Quality of service
  - Quality of life
  - Quality of work
- Alignment
  - Organizations, systems, processes
  - Message

Why Are You Here?
A Cut from the Private Sector

"People must be trained to run a production process and the same is true for the maintenance process. Straying from standard operating procedures will produce a sub-standard product on a production line. Straying from the maintenance process will produce mediocrity. There is no shortcut to maintenance excellence."

Randy Heisler, Wheeling Pittsburgh Steel,
in "Maintenance Technology" magazine

Why Are You Here?

Culture of Readiness

"…I need your heads in the game at every point of your operational cycle, thinking readiness, ensuring you are more than ready for the next phase of training or operations, sustaining a culture of readiness."

NAVOP 003/03 (CNO WASHINGTON DC 111709Z MAR 03)

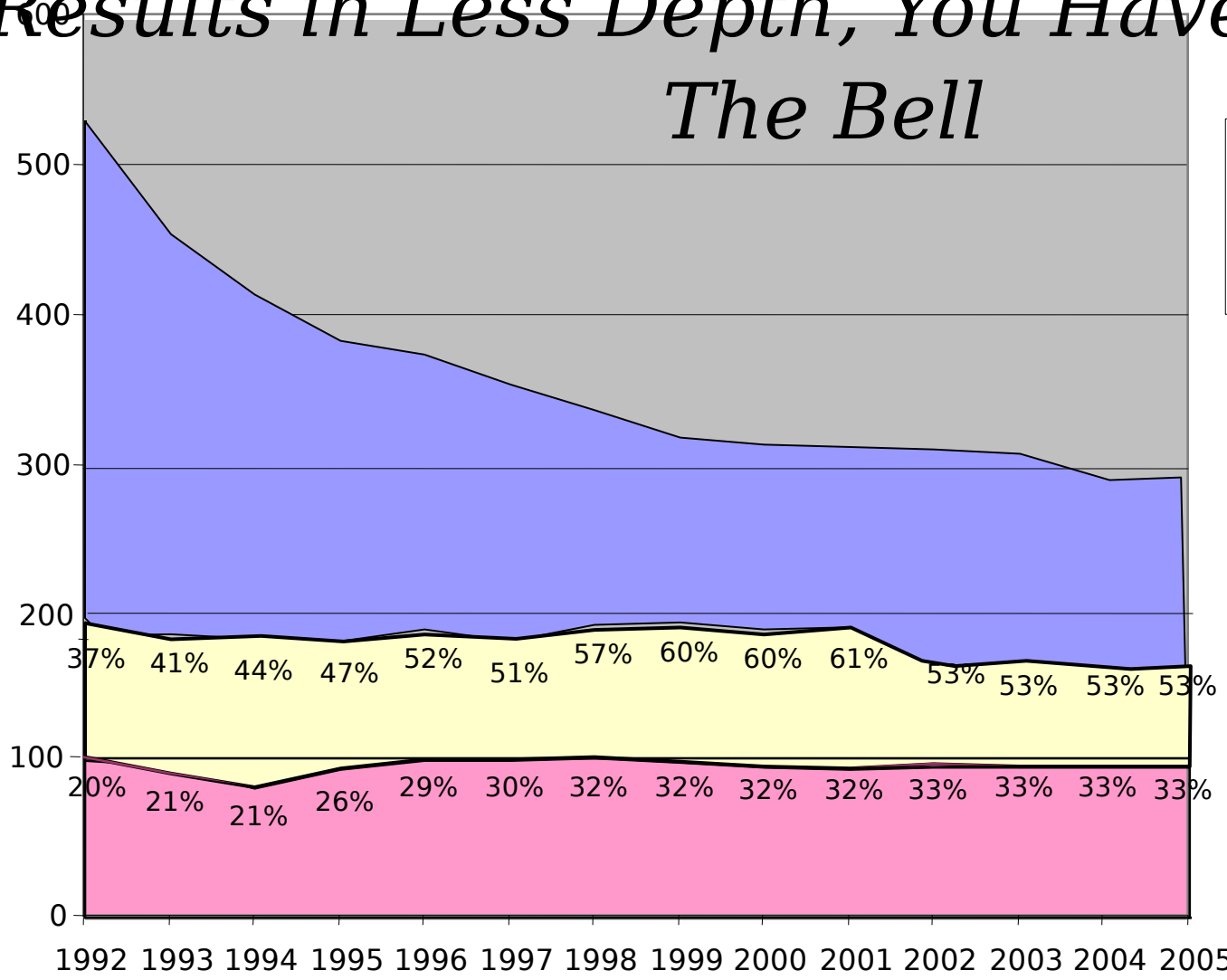
Why Are You Here? Staying or Being Ready in a "Culture of Readiness"

- *Command leadership & attention*
- *Empowered crew*
  - *Department Heads to Work Center Supervisors*
  - *Ship System Experts*
- *The questions:*
  - *What must I do to sustain the long haul?*
  - *What do I need to know?*

What Are Today's Challenges As We Build A Culture of Readiness

- Sustaining Naval Warfare Readiness
  - Meeting the objectives of the Fleet Readiness Plan
- Increasing Operational Availability
  - Force size and commitments
- Improving maintenance productivity
  - Reduced budgets
  - Fewer, shorter industrial availabilities
  - Coping with technology
- Operating in an Information Centric Environment
  - Managing new technology
  - Coping with legacy systems

Same Missions With More Capable but Few Ships
Results in Less Depth, You Have To Answer The Bell



BATTLE FORCE SHIPS
FY97 354
FY98 333
FY99 317
FY00 318
FY01 317
FY02 312
FY03 310
FY04 311(actual 294)
FY05 312
FY06 305
FY07 304
FY08 301

Building The Culture Of Readiness

A transformation of the Navy's maintenance system that will make the most effective and efficient use of current resources in order to provide a naval force with greater availability for national security speed of response requirements, while shaping our industrial base to maintain and build the 21st Century Navy.

A quick sidebar to discuss this significant process chang

- *Initiatives include:*
  - *SHIPMAIN*
  - *'One Shipyard' concept*
  - *Regional Waterfront Integration*
  - *Distance Support*

SHIPMAIN

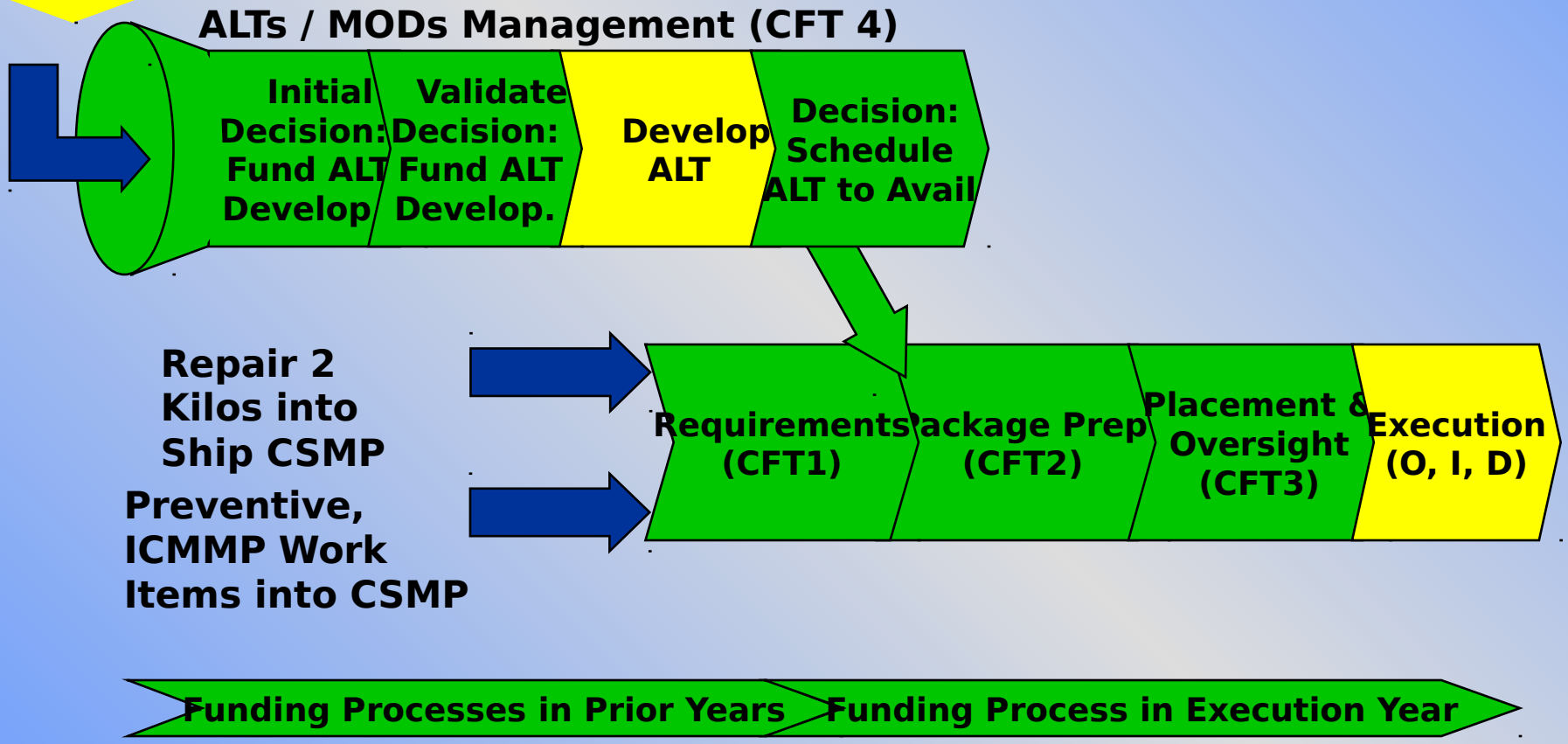
- *A Sea Enterprise initiative to establish most efficient waterfront maintenance process*
- *Streamlines ship alterations/maintenance planning processes to reduce redundant work and promote better communication among ship maintenance organizations*
- *Allows redirecting of resources and efforts to recapitalization and modernization by getting more work for our maintenance dollar*
- *Develops a single process for surface ships that ensures that the right maintenance is identified and performed at the right maintenance level*
- *Metrics driven: know status and progress at any point*

Process Scope of SHIPMAIN

Generators:
- **Mission**
- **Reliability**
- **Maintainability**
- **Availability**

Included-Active

Excluded


ALTs / MODs Management (CFT 4)
Initial Decision: Fund ALT Develop
Validate Decision: Fund ALT Develop.
Develop ALT
Decision: Schedule ALT to Avail
Repair 2 Kilos into Ship CSMP
Preventive, ICMMP Work Items into CSMP
Requirements (CFT1)
ackage Prep (CFT2)
Placement & Oversight (CFT3)
Execution (O, I, D)
Funding Processes in Prior Years
Funding Process in Execution Year

Major Changes in SHIPMAIN

Alteration Management

- All Alts through same process
- 2 Types: Program & Fleet
- Mission and BG Interoperability focus
- Hierarchical decision making model
- Engineering/BCA filters before development
- Prioritized list: Figure of Merit

Over-arching Changes

- Hull-focused Maintenance Teams
- Predictable funds administration
- Early, collaborative involvement of Executing Activity
- Metrics to measure and focus improvement

Requirements

- Formal Validation Process
- MFOM- Prioritized 2K's
- 1-Step Brokering/screening

Package Preparation

- Master Spec Database
  - Established specs
  - Templates for new specs
- Planning by Executor
- Robust Feedback System
  - New specs
  - Cost returns
- Reduce planning cycle time

Placement & Oversight

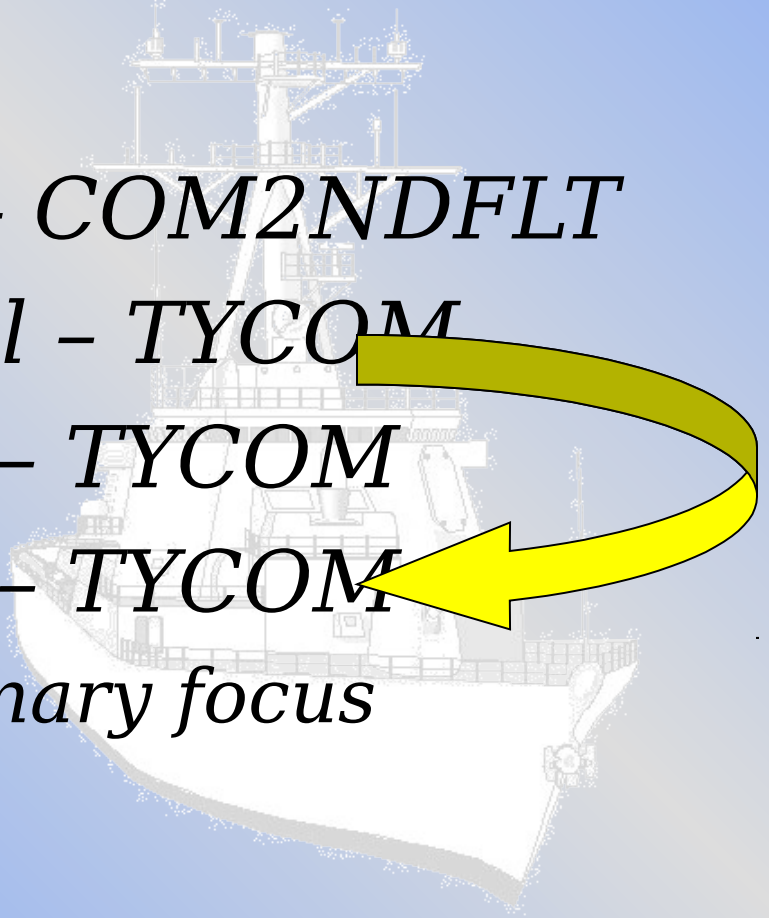
- Reduce Premiums
- Enhanced responsiveness to operational tasking
- Ship managed maintenance budget - MMBP
- Streamlined Contracting- MSMO
- Parallel TAR and "sliding" placement milestone

Maintenance Team
A Key Element of SHIPMAIN

- *The Team*
  - *Ship's Commanding Officer*
  - *Port Engineer*
  - *SMMO*
  - *FMA Ship Sup*
  - *NSA Project Mgr*
- *Members may be added from*
  - *Waterfront Support team (MSMO KTR, FTSC/Technical Rep, etc.)*
  - *Ship's Company as designated by CO*

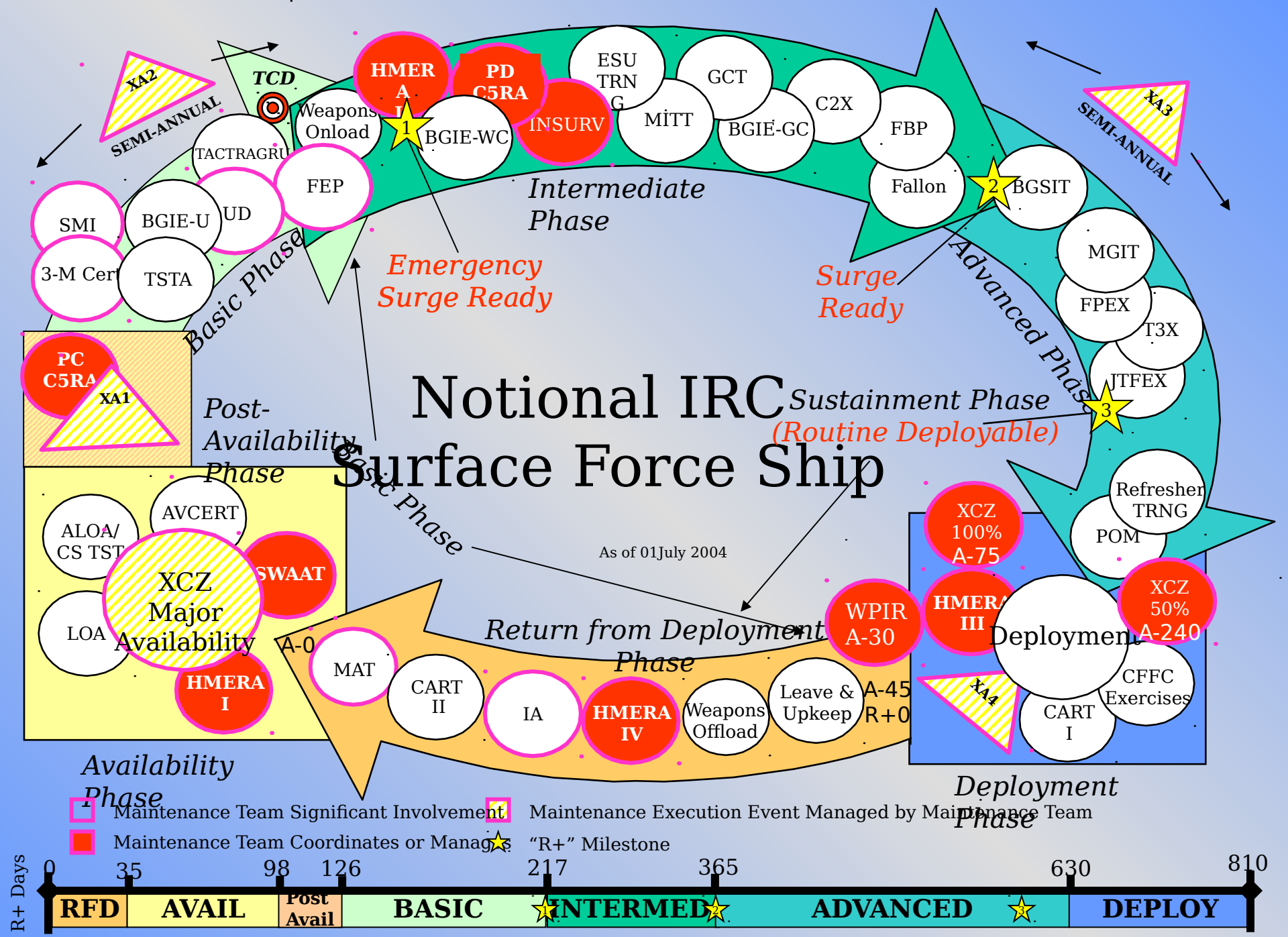
Categorizing Readiness

- *Tactical – COM2NDFLT*
- *Personnel – TYCOM*
- *Training – TYCOM*
- *Material – TYCOM*
  - *Our primary focus*



Why Maintenance University?

$$$


Notional IRC
Surface Force Ship
As of 01July 2004
Post-Availability Phase
Basic Phase
Intermediate Phase
Advanced Phase
Sustainment Phase
(Routine Deployable)
Emergency Surge Ready
Surge Ready
Return from Deployment Phase
Availability Phase
Deployment Phase
XA2
SEMI-ANNUAL
TCD
Weapons Onload
TACTRAGRU
FEP
SMI
BGIE-U
UD
3-M Cert
TSTA
HMERA II
PD C5RA
INSURV
BGIE-WC
ESU TRNG
MITT
GCT
BGIE-GC
C2X
FBP
Fallon
BGSIT
XA3
SEMI-ANNUAL
MGIT
FPEX
T3X
JTFEX
PC C5RA
XA1
ALOA/ CS TST
AVCERT
XCZ Major Availability
SWAAT
LOA
HMERA I
A-0
MAT
CART II
IA
HMERA IV
Weapons Offload
Leave & Upkeep
A-45
R+0
WPIR A-30
XCZ 100% A-75
HMERA III
Deployment
Refresher TRNG
POM
XCZ 50% A-240
CFFC Exercises
CART I
XA4
Maintenance Team Significant Involvement
Maintenance Team Coordinates or Manages
Maintenance Execution Event Managed by Maintenance Team
"R+" Milestone
R+ Days
0
35
98
126
217
365
630
810
RFD
AVAIL
Post Avail
BASIC
INTERMED
ADVANCED
DEPLOY

Operating Cycle

A Maintenance Viewpoint

Acronyms and abbreviations

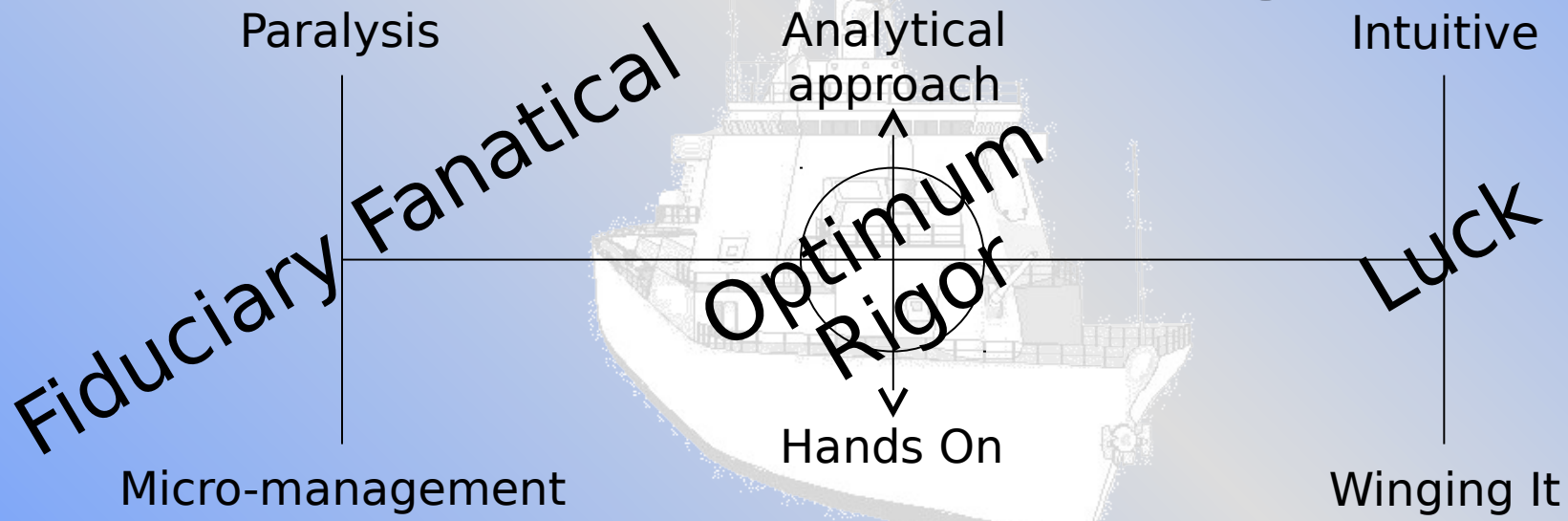
- HM&ERA
- RAV
- C5RA
- RMMCO
- AMP
- AIT
- SSE
- WPIR
- AWP
- SFWP
- RBO
- MT
- ERP
- NEMAIS
- IDTC
- PE / MM
- CDM
- PEO
- FOM
- RMAIS
- MRMS
- ICMP
- ILS
- RRC
- SMMO
- VOE
- SHIPMAIN
- FRP
- CBM
- RCM
- NDE
- NMD
- MSMO

How many
do you recognize?

Management 101

SUBSTANCE

Intuitively
Micro-managing



FORM

Questions to Consider

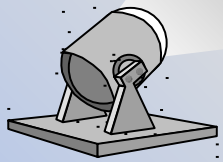
- *What is CNSF & CNSL maintenance policy*
  - *What are the phases of CNSL's maintenance process*
  - *What is ship's force role in each phase*
- *How accurate is your CSMP*
  - *How do you tell*
  - *How do you improve it*
- *How accurate is your ship's configuration*
  - *How do you tell*
  - *How do you improve it*
- *When do you start preparing for*
  - *CNO availability*
  - *Other scheduled availabilities*

Session Objectives

When completed, you should

- *Be familiar with relevant Navy maintenance policy*
- *Understand*
  - *Details of Fleet & TYCOM maintenance policies & processes*
  - *Their roles & responsibilities in maint*
- *Be better prepared to manage m*

DIVISION



Command Level Availability Management Brief

Next Topic
CNSL Maintenance